

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 61-233975

(43)Date of publication of application : 18.10.1986

(51)Int.Cl.

H01M 8/04

(21)Application number : 60-075583

(71)Applicant : FUJI ELECTRIC CORP RES &
DEV LTD

(22)Date of filing : 10.04.1985

(72)Inventor : GOTO HEISHIRO

(54) OPERATION CONTROLLER OF FUEL CELL

(57)Abstract:

PURPOSE: To increase economical efficiency and reliability of operation by arranging a means to control cell voltage in an allowable limit.

CONSTITUTION: A voltage control instruction means 30 sets an control target value V_a by a cell voltage detecting value V_C received from a cell voltage detecting means 10. The target to the cell voltage V_C is set to the allowable upper limit against the voltage of an oxidizing agent electrode to be protected, for example, to 0.8V per unit cell. A cell voltage control means 40 receiving the control target value V_a from the voltage control instruction means 30 consists of an actual value detecting means comprising current detectors 41, 42, a control circuit 50 and a current control means 60. The cell voltage control means 40 controls the cell voltage V_C within the target value V_a set with the voltage control instruction means 30.

